

Condensed Matter Physics

Development of wide band gap n - a -SiO : H films using RF-PECVD method for application in a -Si solar cell fabrication

CHANDAN BANERJEE, ARINDAM SARKER AND A K BARUA

The dc electrical conduction mechanism of heat-treated plasma-polymerized diphenyl (PPDP) thin films

F-U-Z CHOWDHURY AND A H BHUIYAN

Numerical study of localized electronic states in disordered and doped conjugated polymers

N SHAHTAHMASEBI AND S A KETABI

Investigation on the crystallization and morphology of β -K₂SO₄ from aqueous solution

J PODDER, S RAMALINGOM, S N KALKURA AND P RAMASAMY

Nucleation parameters of KH₂PO₄ single crystals added with some ammonium compounds

T H FREEDA AND C MAHADEVAN

Synthesis structure and characterization of ferroelectric Sr₅BiTi₃Nb₇O₃₀

H SHARMA AND KIRAN KUMARI

Lattice and thermal parameters of Ni_xSn_{1-x}SO₄·7H₂O crystals

A DAHLIA, QUEEN LIVINGSTON AND C MAHADEVAN

Nuclear Physics

Fragmentation of targets in ²⁸Si–AgBr interactions at 14.5 A GeV – signature of side splash and strong azimuthal correlation

DIPAK GHOSH, ARGHA DEB, KANCHAN KUMAR PATRA, PRABIR KUMAR HALDAR,
SWARUP RANJAN SAHOO, SWARNAPRATIM BHATTACHARYYA, RUPA DAS,
MITALI MONDAL, SOUVIK PRASAD, KEYA CHATTOPADHYAY, SUSHMITA GHOSH,
SIMA MUKHERJEE, ISHITA DUTTA, RINKU SARKAR, SUBRATA BISWAS,
PASUPATI MANDAL, KRISHNADAS PURKAIT AND JAYITA GHOSH

Microscopic insight into nuclear structure properties of proton rich barium isotopes

NEERU SAWHNEY, RANI DEVI, ARUN BHARTI AND S K KHOSA

Notes

Calculation of thermodynamic and transport properties of less simple metals

M A KHALEQUE, F ZAHID, G M BHUIYAN AND R I M A RASHID

Analysis of ionicity parameters using modified Penn energy gap model

B P SINGH AND A K OJHA

Structure of 3-bromo-4-methyl-7-ethoxycoumarin

**M K KOKILA, PUTTARAJA, J MALLESHPA, N C SHIVAPRAKASH, KIRAN Y ANKLEKAR
AND MONOHAR V KULKARNI**

^{24}Ne radioactivity from uranium isotopes

K P SANTOSH AND ANTONY JOSEPH